## Recitation of Claims

1.(Original) Current measurement apparatus comprising a Rogowski coil wherein the Rogowski coil comprises a wire which is insulated prior to forming the Rogowski coil.

2.(Currently Amended) Current measurement apparatus according to claim 1 in which the wire is insulated ~~for safety purposes~~ by insulating material.

3.(Currently Amended) Current measurement apparatus according to ~~claim 1 or~~ claim 2 in which the ~~wire is insulated by~~ insulating material is resistant to physical damage.

4.(Currently Amended) Current measurement apparatus according to claim 2 [[3]] in which the complete outer surface of the wire is coated with an insulating material ~~is resistant to physical damage~~.

5.(Currently Amended) Current measurement apparatus according to ~~claim 3 or~~ claim 4 in which the complete outer surface of the wire is coated with an insulating material which provides reinforced insulation.

6.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 2 in which the ~~complete outer surface of the wire is coated with an~~ insulating material comprises a wrapping for the wire.

7.(Currently Amended) Current measurement apparatus according to claim [[6]] 2 in which ~~the complete outer surface of the wire is coated with an~~ the insulating material ~~which provides reinforced insulation~~ is an extrusion.

8.(Currently Amended) Current measurement apparatus according to claim ~~3 or any claim dependent upon claim 3~~ 1 in which the ~~insulating material~~ Rogowski coil comprises a ~~wrapping for the wire~~ single insulated wire which provides a central conductor and a coil.

9.(Currently Amended) Current measurement apparatus according to claim ~~3 or any claim dependent upon claim 3~~ 1 in which the ~~insulating material an extrusion for the wire~~ insulation coating is less than or equal to 0.125mm.

10.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 1 in which the Rogowski coil ~~comprises a single insulated wire which provides a central conductor and a coil~~ is formed by providing a straight central conductor section and winding a coil around at least a part of the straight electrical conductor section.

11.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 1 in which the ~~insulation coating is less than or equal to 0.125mm~~ Rogowski coil comprises an inner sheath.

12.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 1 in which the ~~Rogowski coil is formed by providing a straight central conductor section~~

~~and winding a coil around at least a part of the straight electrical conductor section~~ wire comprises copper wire.

13.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 1 in which the Rogowski coil comprises an ~~inner sheath~~ end wherein the end does not require an insulation cap.

14.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 1 in which the wire comprises ~~copper wire~~ a plurality of layers of insulating material.

15.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 1 in which the Rogowski coil comprises ~~an end wherein the end does not require an insulation cap~~ a first end and a second end.

16.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 15 in which ~~the wire comprises a plurality of layers of insulating material~~, in use, the first end is arranged, in use, to locate adjacent to the second end.

17.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 15 in which ~~the Rogowski coil comprises a first end and a second end~~, a first end member located on the first end is arranged, in use, to engage a second end member located on the second end.

18.(Currently Amended) Current measurement apparatus according to claim ~~17~~ 1 in which~~, in use, the first end is arranged, in use, to locate adjacent to the second end~~ a first end member located on one end of the Rogowski coil is arranged, in use, to cooperate with a second end member located on a second end of the Rogowski coil.

19.(Currently Amended) Current measurement apparatus according to claim 1 in which, in use, a first end ~~member located on the first end~~ of the Rogowski coil is arranged, in use,~~ to engage~~ to cooperate with a second end member located on the second end of the Rogowski coil in order to form a contiguous loop.

20.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 1 in which a first end ~~member located on one end~~ of the Rogowski coil is arranged~~, in use, to cooperate with a second end member located on~~ to magnetically cooperate with a second end of the Rogowski coil.

21.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 17 in which~~, in use, a first end of the Rogowski coil is arranged, in use, to cooperate with a second end member located on a second end of the Rogowski coil in order to form a contiguous loop~~ the first end member comprises a female member and the second end member comprises a male member.

22.(Currently Amended) Current measurement apparatus according to ~~any preceding~~ claim 17 in which ~~a~~ the first ~~of the Rogowski coil~~ end member is arranged ~~to magnetically~~

~~cooperate with a second end of the Rogowski coil~~, in use, to be secured to the second end member solely by magnetic force.

23.(Currently Amended) A method of forming current measurement apparatus ~~according to any one of claims 19 to 22 in which the first end member comprises a female member and the second end member comprises a male member~~ comprising forming a Rogowski coil from an insulated wire.

24.(Currently Amended) ~~Current measurement apparatus~~ A method according to ~~any one of~~ claims ~~19 to~~ 23 in ~~which the first end member is arranged, in use, to be secured to the second end member solely by magnetic force~~ method comprises forming a central conductor section and forming a coil around the central conductor section using insulated wire.

25.(Currently Amended) A method of ~~forming current measurement apparatus~~ measuring current comprising ~~forming a Rogowski coil from an insulated wire~~ using current measurement apparatus in accordance with claim 1.

26.(Cancelled)

27.(Cancelled)

28.(Cancelled)

29.(Cancelled)

30.(Cancelled)

31.(Cancelled)